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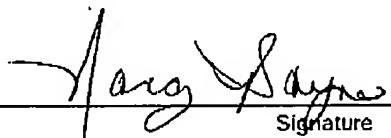
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each submitted paper.

Vladimir Shusterman

U.S. Serial No. 10/816,638

Filed April 2, 2004

Attorney Docket: 286093-00001-4

Fee Transmittal (1 page)
Form PTO-2038 (1 page)
Second Preliminary Amendment (20 pages)

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FAX NO. 17243375959 MAR 28 2006 P. 02

PTO/SB/17 (12-04v2)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

575.00

Complete If Known

Application Number	10/816,638
Filing Date	April 2, 2004
First Named Inventor	Vladimir Shuslerman
Examiner Name	UNKNOWN
Art Unit	3762
Attorney Docket No.	286093-00001-4

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order None Other (please identify): _____

 Deposit Account Deposit Account Number: 02-2556 Deposit Account Name: ECKERT SEAMANS ...

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	N/A
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity Fee (\$)	Fee (\$)
61 - 20 or HP = 15	x 25.00	= 375.00		50	25

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
8 - 3 or HP = 2	x 100.00	= 200.00		360.00	0.00	

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(c)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		= 0.00

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): _____ 0.00

SUBMITTED BY

Signature

Registration No. 33,442

(Attorney/Agent)

Telephone 412-566-6777

Name (Print/Type) David V. Radack

Date March 28, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit 3762 :
In re Application of : SYSTEM AND DEVICE FOR
VLADIMIR SHUSTERMAN : MULTI-SCALE ANALYSIS AND
: REPRESENTATION OF
: PHYSIOLOGICAL DATA
Serial No. 10/816,638 : Attorney Docket No. 286093-00001-4
Filed April 2, 2004 :

SECOND PRELIMINARY AMENDMENT

Eckert Seamans Cherin & Mellott, LLC
600 Grant Street, 44th Floor
Pittsburgh, PA 15219
March 28, 2006

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Please amend this application by rewriting claims 1, 3, 14, 17, 20, 23, 24, 27, 29, 31, 32, and 36, withdrawing claim 38 without prejudice, and adding new claims 47-61 as follows.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 20 of this paper.

03/29/2006 MBINAS	00000016 10816638
01 FC:2202	375.00 OP
02 FC:2201	200.00 OP